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GenCore version 5.1.3
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OM protein - nucleic search, using frame_plus_p2n model

Run on: November 9, 2002, 08:33:55 ; Search time 89 Seconds
(without alignments)
757.407 Million cell updates/sec

Title: US-09-895-298a-83

Perfect score: 190

Sequence: 1 MNFPPSKAMRASQMTTF.....HDSLDLRSRVQGNPRA 190

Scoring table:

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Xgapop 60.0	Xgapext 60.0
Xgapop 6.0	Xgapext 7.0
Delop 6.0	Delext 7.0

Searched: 320260 seqs, 177392727 residues

Word size: 4

Total number of hits satisfying chosen parameters: 262889

Minimum DB seq length: 0

Maximum DB seq length: 200000000

Post-processing: Listing first 45 summaries

Command line parameters:

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-LOOPCL=0 -LOOPEXT=0 -UNITS=bits -START=1 -END=-1 -MATRIX=oligo
-TRANS=human40.cdi -LIST=45 -DOCALIGN=200 -THR.SCORE=quality -THR.MIN=4
-ALIGN=15 -MODE=LOCAL -OUTFMT=ptc -NORM=ext -HEAPSIZE=500 -MTLEN=0
-MAXLEN=200000000 -USER=US09895298.ecgn.1.1.36.etrnat.06112002_160754_3678
-NCPU=6 -ICPU=3 -NO_XLPRY -NO_MMAP -LARGESOURCE -NEG_SCORES=0 -WAIT -LONGLOG
-DEV_TIMEOUT=120 -WARN_TIMEOUT=30 -THREADS=1 -XGAPOP=60 -XGAPEXT=60 -FGAPOP=6
-FGAPEXT=7 -YGAPOP=60 -YGAPEXT=60 -DELOP=6 -DELEXT=7

Database: Published Applications_NA:

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3:	/cgn2_6/ptodata/1/pubpna/US06_NEW_PUB.seq:*
4:	/cgn2_6/ptodata/1/pubpna/US06_PUBCOMB.seq:*
5:	/cgn2_6/ptodata/1/pubpna/US07_NEW_PUB.seq:*
6:	/cgn2_6/ptodata/1/pubpna/PCNUS_PUBCOMB.seq:*
7:	/cgn2_6/ptodata/1/pubpna/US08_NEW_PUB.seq:*
8:	/cgn2_6/ptodata/1/pubpna/US08_PUBCOMB.seq:*
9:	/cgn2_6/ptodata/1/pubpna/US09_NEW_PUB.seq:*
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11:	/cgn2_6/ptodata/1/pubpna/US10_NEW_PUB.seq:*
12:	/cgn2_6/ptodata/1/pubpna/US10_PUBCOMB.seq:*
13:	/cgn2_6/ptodata/1/pubpna/US60_NEW_PUB.seq:*
14:	/cgn2_6/ptodata/1/pubpna/US60_PUBCOMB.seq:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	35	18.4	454	10	US-09-864-761-11449 Sequence 11449, A
2	31	16.3	94	10	US-09-864-761-28040 Sequence 28040, A
3	10	5.3	202	10	US-09-960-352-9114 Sequence 9114, Ap
4	10	5.3	412	10	US-09-960-352-10375 Sequence 10375, A

5	9	4.7	1506	10	US-09-815-242-6769 Sequence 6769, Ap
6	9	4.7	14286	10	US-09-070-927A-162 Sequence 162, App
7	8	4.2	219	10	US-09-960-352-14266 Sequence 14266, A
8	8	4.2	344	10	US-09-960-352-1036 Sequence 1036, Ap
9	8	4.2	353	10	US-09-960-352-1041 Sequence 1041, Ap
10	8	4.2	403	10	US-09-960-352-11657 Sequence 11657, A
11	8	4.2	439	10	US-09-960-352-1009 Sequence 1009, Ap
12	8	4.2	592	10	US-09-879-536-39 Sequence 39, App1
13	8	4.2	597	10	US-09-864-761-7523 Sequence 7523, Ap
14	8	4.2	789	9	US-09-938-842A-3734 Sequence 3734, Ap
15	8	4.2	836	10	US-09-770-445-675 Sequence 675, App
16	8	4.2	942	10	US-09-962-832-256 Sequence 256, App
17	8	4.2	3017	10	US-09-818-143-8 Sequence 8, App1
18	8	4.2	13808	10	US-09-070-927A-271 Sequence 271, App
19	7	3.7	25	10	US-09-866-108-3286 Sequence 3286, Ap
20	7	3.7	25	10	US-09-866-108-3287 Sequence 3287, Ap
21	7	3.7	25	10	US-09-866-108-3288 Sequence 3288, Ap
22	7	3.7	25	10	US-09-866-108-3289 Sequence 3289, Ap
23	7	3.7	25	10	US-09-866-108-3290 Sequence 3290, Ap
24	7	3.7	117	10	US-09-960-352-5898 Sequence 5898, Ap
25	7	3.7	127	10	US-09-960-352-13956 Sequence 13956, A
26	7	3.7	134	10	US-09-960-352-3051 Sequence 3051, Ap
27	7	3.7	147	10	US-09-878-574-2241 Sequence 2241, Ap
28	7	3.7	173	10	US-09-864-761-26338 Sequence 26338, A
29	7	3.7	176	10	US-09-864-761-26684 Sequence 26684, A
30	7	3.7	185	10	US-09-864-761-29796 Sequence 29796, A
31	7	3.7	210	10	US-09-867-701-4681 Sequence 4681, Ap
32	7	3.7	213	10	US-09-974-300-8153 Sequence 8153, Ap
33	7	3.7	227	10	US-09-974-300-6732 Sequence 6732, Ap
34	7	3.7	232	10	US-09-864-761-29282 Sequence 29282, A
35	7	3.7	240	10	US-09-878-574-900 Sequence 900, App
36	7	3.7	247	10	US-09-923-876-436 Sequence 436, App
37	7	3.7	260	10	US-09-983-965-4272 Sequence 4272, Ap
38	7	3.7	262	10	US-09-923-876-1036 Sequence 1036, Ap
39	7	3.7	264	10	US-09-878-574-10108 Sequence 10108, A
40	7	3.7	268	10	US-09-923-876-4336 Sequence 4336, Ap
41	7	3.7	273	10	US-09-960-352-1647 Sequence 1647, Ap
42	7	3.7	273	10	US-09-960-352-5968 Sequence 5968, Ap
43	7	3.7	273	10	US-09-960-352-7360 Sequence 7360, Ap
44	7	3.7	273	10	US-09-764-877-2492 Sequence 2492, Ap
45	7	3.7	273	10	US-09-764-877-2493 Sequence 2493, Ap

ALIGNMENTS

RESULT 1
US-09-864-761-11449
Sequence 11449, Application US/09864761
Patent No. US20020048763A1
GENERAL INFORMATION:
APPLICANT: Penn, Sharron G.
APPLICANT: Rank, David R.
APPLICANT: Hanzel, David K.
TITLE OF INVENTION: HUMAN GENOME-DERIVED SINGLE EXON NUCLEIC ACID PROBES USEFUL FOR
TITLE OF INVENTION: GENE EXPRESSION ANALYSIS BY MICROARRAY
FILE REFERENCE: Aecmca-X-1
CURRENT APPLICATION NUMBER: US/09/864,761
PRIOR FILING DATE: 2001-05-23
PRIOR APPLICATION NUMBER: US 60/180,312
PRIOR FILING DATE: 2000-02-04
PRIOR APPLICATION NUMBER: US 60/207,456
PRIOR FILING DATE: 2000-05-26
PRIOR APPLICATION NUMBER: US 09/632,366
PRIOR FILING DATE: 2000-08-03
PRIOR APPLICATION NUMBER: GB 24263,6
PRIOR FILING DATE: 2000-10-04
PRIOR APPLICATION NUMBER: US 60/236,359
PRIOR FILING DATE: 2000-09-27
PRIOR APPLICATION NUMBER: PCT/US01/00666
PRIOR FILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/US01/00667
PRIOR FILING DATE: 2001-01-30

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; PRIOR APPLICATION NUMBER: PCT/US01/00664
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00669
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00665
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00668
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00663
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00662
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00661
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00670
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: US 60/234,687
; PRIOR FILING DATE: 2000-09-21
; PRIOR APPLICATION NUMBER: US 09/608,408
; PRIOR FILING DATE: 2000-06-30
; PRIOR APPLICATION NUMBER: US 09/774,203
; PRIOR FILING DATE: 2001-01-29
; NUMBER OF SEQ ID NOS: 49117
; SOFTWARE: Annomax Sequence Listing Engine vers. 1.1
; SEQ ID NO 11449
; LENGTH: 454
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; OTHER INFORMATION: MAP TO AC003108.1
; OTHER INFORMATION: EXPRESSED IN LUNG, SIGNAL = 0.69
; OTHER INFORMATION: EXPRESSED IN FETAL LIVER, SIGNAL = 0.74
; OTHER INFORMATION: EXPRESSED IN BONE MARROW, SIGNAL = 0.67
; OTHER INFORMATION: EXPRESSED IN PLACENTA, SIGNAL = 0.75
; OTHER INFORMATION: EXPRESSED IN BRAIN, SIGNAL = 0.62
; OTHER INFORMATION: EXPRESSED IN ADULT LIVER, SIGNAL = 0.78
; US-09-864-761-11449
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Alignment Scores:
Pred. No.: 1,58e-27 Length: 454
Score: 35.00 Matches: 35
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 18.42% Indels: 0
DB: 10 Gaps: 0
US-09-895-298a-83 (1-190) x US-09-864-761-11449 (1-454)
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QY 127 GluGlyLysAspLysMetPheLeuIleGluLysLeuIleLysLeuGlnAspMetGluLys 146
Db 286 GAGGCAAAAGATTAATGTTCTGATGAGAAATTTGATCAAGTCGAGGATATGAGAGAG 345
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QY 147 LysAlaIasnProSerSerLeuValLeuGlnArgArgGluValGlu 161
Db 346 AAGGCAAAACCCAGCTCCTGTTCTGGAAGAGAGAGGTGGAG 390
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RESULT 2
US-09-864-761-28040
; Sequence 28040, Application US/09864761
; Patent No. US20020048763A1
; GENERAL INFORMATION:
; APPLICANT: Penn, Sharon G.
; APPLICANT: Rank, David R.
; APPLICANT: Hanzel, David K.
; APPLICANT: Chen, Wensheng
; TITLE OF INVENTION: HUMAN GENOME-DERIVED SINGLE EXON NUCLEIC ACID PROBES USEFUL FOR
; FILE REFERENCE: Aeomica-X-1
; CURRENT APPLICATION NUMBER: US/09/864,761
; PRIOR APPLICATION NUMBER: US/09/864,761
; PRIOR FILING DATE: 2001-05-23
; PRIOR APPLICATION NUMBER: US 60/180,312
; PRIOR FILING DATE: 2000-02-04
; PRIOR APPLICATION NUMBER: US 60/207,456
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; PRIOR FILING DATE: 2000-05-26
; PRIOR APPLICATION NUMBER: US 09/632,366
; PRIOR FILING DATE: 2000-08-03
; PRIOR APPLICATION NUMBER: GB 24263.6
; PRIOR FILING DATE: 2000-10-04
; PRIOR APPLICATION NUMBER: US 60/236,359
; PRIOR FILING DATE: 2000-09-27
; PRIOR APPLICATION NUMBER: PCT/US01/00666
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00667
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00664
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00669
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00665
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00668
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00663
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00662
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00661
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00670
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: US 60/234,687
; PRIOR FILING DATE: 2000-09-21
; PRIOR APPLICATION NUMBER: US 09/608,408
; PRIOR FILING DATE: 2000-06-30
; PRIOR APPLICATION NUMBER: US 09/774,203
; PRIOR FILING DATE: 2001-01-29
; NUMBER OF SEQ ID NOS: 49117
; SOFTWARE: Annomax Sequence Listing Engine vers. 1.1
; SEQ ID NO 28040
; LENGTH: 94
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; OTHER INFORMATION: MAP TO AC003108.1
; OTHER INFORMATION: EXPRESSED IN LUNG, SIGNAL = 0.69
; OTHER INFORMATION: EXPRESSED IN FETAL LIVER, SIGNAL = 0.74
; OTHER INFORMATION: EXPRESSED IN BONE MARROW, SIGNAL = 0.67
; OTHER INFORMATION: EXPRESSED IN PLACENTA, SIGNAL = 0.75
; OTHER INFORMATION: EXPRESSED IN BRAIN, SIGNAL = 0.62
; OTHER INFORMATION: EXPRESSED IN ADULT LIVER, SIGNAL = 0.78
; OTHER INFORMATION: NT HIT: AJ276505.1, EVALU 5.00e-02
; OTHER INFORMATION: EST_HUMAN HIT: AW582253.1, EVALU 5.00e-46
; US-09-864-761-28040
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Alignment Scores:
Pred. No.: 4.79e-24 Length: 94
Score: 31.00 Matches: 31
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 16.32% Indels: 0
DB: 10 Gaps: 0
US-09-895-298a-83 (1-190) x US-09-864-761-28040 (1-94)
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QY 131 LysMetPheLeuIleGluLysLeuIleLysLeuGlnAspMetGluLysLysAlaAsnPro 150
Db 2 AAATGTTCTGATGAGAAATTTGATCAAGTCGAGGATATGAGAGAGAGAGAGAGAGAGAG 61
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QY 151 SerSerLeuValLeuGlnArgArgGluValGlu 161
Db 62 ACCTCACTTCTCTGGAAGAGAGAGAGGTGGAG 94
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RESULT 3
US-09-960-352-9114
; Sequence 9114, Application US/09960352
; Patent No. US20020137139A1
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; GENERAL INFORMATION:
; APPLICANT: Warren, Wesley C.
; APPLICANT: Tao, Nenping
; APPLICANT: Byatt, John C.
; APPLICANT: Mathialagan, Nagappan
; TITLE OF INVENTION: NUCLEIC ACID AND OTHER MOLECULES ASSOCIATED WITH LACTATION AND
; FILE REFERENCE: 16511.006/37-21(10298)C
; CURRENT APPLICATION NUMBER: US/09/960,352
; CURRENT FILING DATE: 2001-09-24
; NUMBER OF SEQ ID NOS: 15112
; SEQ ID NO 9114
; LENGTH: 202
; TYPE: DNA
; ORGANISM: Bos taurus
; OTHER INFORMATION: Clone ID: 39-LIB3058-056-Q1-K1-B4
US-09-960-352-9114

Alignment Scores:
Pred. No.: 0.045 Length: 202
Score: 10.00 Matches: 10
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 5.26% Indels: 0
DB: 10 Gaps: 0

US-09-895-298a-83 (1-190) x US-09-960-352-9114 (1-202)

QY 91 PhephepelleuThrleuIleValleu 100
Db 79 TTTTCTTATCTAACACGATGATGATG 108

RESULT 4
US-09-960-352-10375
; Sequence 10375, Application US/09960352
; Patent No. US20020137139A1
; GENERAL INFORMATION:
; APPLICANT: Warren, Wesley C.
; APPLICANT: Tao, Nenping
; APPLICANT: Byatt, John C.
; APPLICANT: Mathialagan, Nagappan
; TITLE OF INVENTION: NUCLEIC ACID AND OTHER MOLECULES ASSOCIATED WITH LACTATION AND
; FILE REFERENCE: 16511.006/37-21(10298)C
; CURRENT APPLICATION NUMBER: US/09/960,352
; CURRENT FILING DATE: 2001-09-24
; NUMBER OF SEQ ID NOS: 15112
; SEQ ID NO 10375
; LENGTH: 412
; TYPE: DNA
; ORGANISM: Bos taurus
; OTHER INFORMATION: Clone ID: 45-BOVMS1-005-Q1-E1-D10
US-09-960-352-10375

Alignment Scores:
Pred. No.: 0.0882 Length: 412
Score: 10.00 Matches: 10
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 5.26% Indels: 0
DB: 10 Gaps: 0

US-09-895-298a-83 (1-190) x US-09-960-352-10375 (1-412)

QY 91 PhephepelleuThrleuIleValleu 100
Db 38 TTTTCTTATCTAACACGATGATGATG 67

RESULT 5
US-09-815-242-6769
; Sequence 6769, Application US/09815242
; Patent No. US20020061569A1
; GENERAL INFORMATION:
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; APPLICANT: Haselbeck, Robert
; APPLICANT: Ohlsen, Kari L.
; APPLICANT: Zyskind, Judith W.
; APPLICANT: Wall, Daniel
; APPLICANT: Trawick, John D.
; APPLICANT: Carr, Grant J.
; APPLICANT: Yamamoto, Robert T.
; APPLICANT: Xu, H. Howard
; TITLE OF INVENTION: Identification of Essential Genes in
; FILE REFERENCE: ELITRA.011A
; CURRENT APPLICATION NUMBER: US/09/815,242
; CURRENT FILING DATE: 2001-03-21
; PRIOR APPLICATION NUMBER: 60/191,078
; PRIOR FILING DATE: 2000-03-21
; PRIOR APPLICATION NUMBER: 60/206,848
; PRIOR FILING DATE: 2000-05-23
; PRIOR APPLICATION NUMBER: 60/207,727
; PRIOR FILING DATE: 2000-05-26
; PRIOR APPLICATION NUMBER: 60/242,578
; PRIOR FILING DATE: 2000-10-23
; PRIOR APPLICATION NUMBER: 60/253,625
; PRIOR FILING DATE: 2000-11-27
; PRIOR APPLICATION NUMBER: 60/257,931
; PRIOR FILING DATE: 2000-12-22
; PRIOR APPLICATION NUMBER: 60/269,308
; PRIOR FILING DATE: 2001-02-16
; NUMBER OF SEQ ID NOS: 14110
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 6769
; LENGTH: 1506
; TYPE: DNA
; ORGANISM: Enterococcus faecalis
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (1)..(1506)
US-09-815-242-6769

Alignment Scores:
Pred. No.: 3.22 Length: 1506
Score: 9.00 Matches: 9
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 4.74% Indels: 0
DB: 10 Gaps: 0

US-09-895-298a-83 (1-190) x US-09-815-242-6769 (1-1506)

QY 173 GlySerLeuAspLeuArgSerArgArg 181
Db 423 GGTTCGTTGATCTTAACTACGCTAGA 449

RESULT 6
US-09-070-927a-162/c
; Sequence 162, Application US/09070927A
; Patent No. US20020120116A1
; GENERAL INFORMATION:
; APPLICANT: Charles A. Kunsch
; APPLICANT: Patrick J. Dillon
; APPLICANT: Steven Barash
; TITLE OF INVENTION: Enterococcus faecalis Polynucleotides and Polypeptides
; NUMBER OF SEQUENCES: 982
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Human Genome Sciences, Inc.
; STREET: 9410 Key West Avenue
; CITY: Rockville
; STATE: Maryland
; COUNTRY: USA
; ZIP: 20850
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette, 3.50 inch, 1.44mb storage
; COMPUTER: HP Vectra 486/33
; OPERATING SYSTEM: MSDOS version 6.2
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SOFTWARE: ASCII Text
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/070,927A
FILING DATE: 04-May-2000
CLASSIFICATION: <Unknown>
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 60/046,655
FILING DATE: 1997-05-16
APPLICATION NUMBER: 60/044,031
FILING DATE: 1997-05-06
APPLICATION NUMBER: 60/066,009
FILING DATE: 1997-11-14
ATTORNEY/AGENT INFORMATION:
NAME: Kenley K. Hoover
REGISTRATION NUMBER: 40,302
REFERENCE/DOCKET NUMBER: PB369
TELECOMMUNICATION INFORMATION:
TELEPHONE: (301) 309-8504
TELEFAX: (301) 309-8512
INFORMATION FOR SEQ ID NO: 162:
SEQUENCE CHARACTERISTICS:
LENGTH: 14286 base pairs
TYPE: nucleic acid
STRANDEDNESS: double
TOPOLOGY: linear
SEQUENCE DESCRIPTION: SEQ ID NO: 162:
US-09-070-927A-162
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Alignment Scores:
Pred. No.: 26.9 Length: 14286
Score: 9.00 Matches: 9
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 4.74% Indels: 0
DB: 10 Gaps: 0
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US-09-895-298a-83 (1-190) x US-09-070-927A-162 (1-14286)

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Oy 173 GlySerLeuAspLeuArgSerArgArg 181
Db 6965 GGTTCTGTGATCTTAGATCAGCTACA 6939
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RESULT 7
US-09-960-352-14266
Sequence 14266, Application US/09960352
Patent No. US20020137139A1
GENERAL INFORMATION:
APPLICANT: Warren, Wesley C.
APPLICANT: Tao, Nengbing
APPLICANT: Byatt, John C.
APPLICANT: Mathalagan, Nagappan
TITLE OF INVENTION: NUCLEIC ACID AND OTHER MOLECULES ASSOCIATED WITH LACTATION AND
FILE REFERENCE: 16511.006/37-21(10298)C
CURRENT APPLICATION NUMBER: US/09/960,352
CURRENT FILING DATE: 2001-09-24
NUMBER OF SEQ ID NOS: 15112
SEQ ID NO 14266
LENGTH: 219
TYPE: DNA
ORGANISM: Bos taurus
OTHER INFORMATION: Clone ID: 61-LIB3057-011-Q1-K1-H2
US-09-960-352-14266
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Alignment Scores:
Pred. No.: 5.62 Length: 219
Score: 8.00 Matches: 8
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 4.21% Indels: 0
DB: 10 Gaps: 0
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US-09-895-298a-83 (1-190) x US-09-960-352-14266 (1-219)

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Oy 91 PhePhePheIleLeuThrIleuIle 98
Db 67 TTTTCTTATTTCTGACCCGATC 90
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RESULT 8
US-09-960-352-1036
Sequence 1036, Application US/09960352
Patent No. US20020137139A1
GENERAL INFORMATION:
APPLICANT: Warren, Wesley C.
APPLICANT: Tao, Nengbing
APPLICANT: Byatt, John C.
APPLICANT: Mathalagan, Nagappan
TITLE OF INVENTION: NUCLEIC ACID AND OTHER MOLECULES ASSOCIATED WITH LACTATION AND
FILE REFERENCE: 16511.006/37-21(10298)C
CURRENT APPLICATION NUMBER: US/09/960,352
CURRENT FILING DATE: 2001-09-24
NUMBER OF SEQ ID NOS: 15112
SEQ ID NO 1036
LENGTH: 344
TYPE: DNA
ORGANISM: Bos taurus
OTHER INFORMATION: Clone ID: 05-LIB3058-031-Q1-K1-B1
US-09-960-352-1036
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Alignment Scores:
Pred. No.: 8.6 Length: 344
Score: 8.00 Matches: 8
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 4.21% Indels: 0
DB: 10 Gaps: 0
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US-09-895-298a-83 (1-190) x US-09-960-352-1036 (1-344)

```
Oy 19 PhePheIlePheLeuPhePhe 26
Db 92 TTTTATTTTATTTTATTTATTTT 115
```

```
RESULT 9
US-09-960-352-3041/C
Sequence 3041, Application US/09960352
Patent No. US20020137139A1
GENERAL INFORMATION:
APPLICANT: Warren, Wesley C.
APPLICANT: Tao, Nengbing
APPLICANT: Byatt, John C.
APPLICANT: Mathalagan, Nagappan
TITLE OF INVENTION: NUCLEIC ACID AND OTHER MOLECULES ASSOCIATED WITH LACTATION AND
FILE REFERENCE: 16511.006/37-21(10298)C
CURRENT APPLICATION NUMBER: US/09/960,352
CURRENT FILING DATE: 2001-09-24
NUMBER OF SEQ ID NOS: 15112
SEQ ID NO 3041
LENGTH: 353
TYPE: DNA
ORGANISM: Bos taurus
OTHER INFORMATION: Clone ID: 14-BOVWS1-014-Q1-E1-D5
US-09-960-352-3041
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Alignment Scores:
Pred. No.: 8.81 Length: 353
Score: 8.00 Matches: 8
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 4.21% Indels: 0
DB: 10 Gaps: 0
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US-09-895-298a-83 (1-190) x US-09-960-352-3041 (1-353)

```
OY 19 PhepheleleuPhephe 26
|||||
DB 75 TTTTATTTCTTTGTTTTT 52

RESULT 10
US-09-960-352-11657
; Sequence 11657, Application US/09960352
; Patent No. US20020137139A1
; GENERAL INFORMATION:
; APPLICANT: Warren, Wesley C.
; APPLICANT: Tao, Nengping
; APPLICANT: Byatt, John C.
; APPLICANT: Mathialagan, Nagappan
; TITLE OF INVENTION: NUCLEIC ACID AND OTHER MOLECULES ASSOCIATED WITH LACTATION AND
; FILE REFERENCE: 16511.006/37-21(10298)C
; CURRENT FILING DATE: 2001-09-24
; CURRENT APPLICATION NUMBER: US/09/960.352
; NUMBER OF SEQ ID NOS: 15112
; SEQ ID NO 11657
; LENGTH: 403
; TYPE: DNA
; ORGANISM: Bos taurus
; OTHER INFORMATION: Clone ID: 50-LIB3057-004-Q1-K1-B6
US-09-960-352-11657

Alignment Scores:
Pred. No.: 9.99 Length: 403
Score: 8.00 Matches: 8
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 4.21% Indels: 0
DB: 10 Gaps: 0

US-09-895-298a-83 (1-190) x US-09-960-352-11657 (1-403)

OY 19 PhepheleleuPhephe 26
|||||
DB 310 TTTTATTTCTTTATTTT 333

RESULT 11
US-09-960-352-1009
; Sequence 1009, Application US/09960352
; Patent No. US20020137139A1
; GENERAL INFORMATION:
; APPLICANT: Warren, Wesley C.
; APPLICANT: Tao, Nengping
; APPLICANT: Byatt, John C.
; APPLICANT: Mathialagan, Nagappan
; TITLE OF INVENTION: NUCLEIC ACID AND OTHER MOLECULES ASSOCIATED WITH LACTATION AND
; FILE REFERENCE: 16511.006/37-21(10298)C
; CURRENT FILING DATE: 2001-09-24
; CURRENT APPLICATION NUMBER: US/09/960.352
; NUMBER OF SEQ ID NOS: 15112
; SEQ ID NO 1009
; LENGTH: 439
; TYPE: DNA
; ORGANISM: Bos taurus
; FEATURE:
; NAME/KEY: unsure
; LOCATION: (62)
; OTHER INFORMATION: unsure at all n locations
; OTHER INFORMATION: Clone ID: 03-LIB3057-015-Q1-K1-B9
US-09-960-352-1009

Alignment Scores:
Pred. No.: 10.8 Length: 439
Score: 8.00 Matches: 8
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 4.21% Indels: 0
DB: 10 Gaps: 0
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```
US-09-895-298a-83 (1-190) x US-09-960-352-1009 (1-439)

OY 19 PhepheleleuPhephe 26
|||||
DB 158 TTTTATTTCTTTATTTT 181

RESULT 12
US-09-879-536-39
; Sequence 39, Application US/09879536
; Patent No. US20020144298A1
; GENERAL INFORMATION:
; APPLICANT: Endege, Wilson O.
; APPLICANT: Steinmann, Kathleen E.
; APPLICANT: Astle, Jon H.
; APPLICANT: Burgess, Christopher C.
; APPLICANT: Bushnell, Steven E.
; APPLICANT: Carroll III, Eddie
; APPLICANT: Catino, Theodore J.
; APPLICANT: Dertl, Adnan
; APPLICANT: Ford, Donna M.
; APPLICANT: Lewis, Marcia E.
; APPLICANT: Monahan, John E.
; APPLICANT: Schlegel, Robert
; TITLE OF INVENTION: NOVEL HUMAN GENES AND GENE EXPRESSION
; FILE REFERENCE: CCD-257 (US)
; CURRENT APPLICATION NUMBER: US/09/879.536
; CURRENT FILING DATE: 2001-09-21
; PRIOR APPLICATION NUMBER: US 60/088.801
; PRIOR FILING DATE: 1998-06-10
; NUMBER OF SEQ ID NOS: 850
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 39
; LENGTH: 592
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc-feature
; LOCATION: (1)...(592)
; OTHER INFORMATION: n = A,T,C or G
US-09-879-536-39

Alignment Scores:
Pred. No.: 14.4 Length: 592
Score: 8.00 Matches: 8
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 4.21% Indels: 0
DB: 10 Gaps: 0

US-09-895-298a-83 (1-190) x US-09-879-536-39 (1-592)

OY 91 PhepheleleuPhephe 98
|||||
DB 45 TTTTTCATATGACATTATA 68

RESULT 13
US-09-864-761-7523/C
; Sequence 7523, Application US/09864761
; Patent No. US20020048763A1
; GENERAL INFORMATION:
; APPLICANT: Penn, Sharron G.
; APPLICANT: Rank, David R.
; APPLICANT: Hanzel, David K.
; APPLICANT: Chen, Wensheng
; TITLE OF INVENTION: HUMAN GENOME-DERIVED SINGLE EXON NUCLEIC ACID PROBES USEFUL FO
; FILE REFERENCE: Aeonica-X-1
; CURRENT APPLICATION NUMBER: US/09/864.761
; CURRENT FILING DATE: 2001-05-23
; PRIOR APPLICATION NUMBER: US 60/180.312
; PRIOR FILING DATE: 2000-02-04
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; LOCATION: (1)...(836)
; OTHER INFORMATION: n = A,T,C or G
US-09-770-445-675

Alignment Scores:

Pred. No.:	19.9	Length:	836
Score:	8.00	Matches:	8
Percent Similarity:	100.00%	Conservative:	0
Best Local Similarity:	100.00%	Mismatches:	0
Query Match:	4.21%	Indels:	0
DB:	10	Gaps:	0

US-09-895-298a-83 (1-190) x US-09-770-445-675 (1-836)

QY 175 LeuAspleuArgSerArgArgSer 182

DB 239 CTGGACCTAAGATCGAGGAGGTGG 216

Search completed: November 9, 2002, 10:21:48
Job time : 94 secs

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